

# Roland

Roland Digital Piano

# HP 3800G / HP 2800G


Owner's Manual




Roland Digital Piano

# HP 3800G / HP 2800G

<b>INTRODUCTION .....</b>	<b>3</b>
FEATURES .....	3
About the HP 3800G/2800G Sound Generator .....	3
About the HP 3800G/2800G Sequencer .....	3
Setting Up the Music Rest .....	4
Opening/Closing the Lid .....	4
Connection to External Audio Equipment .....	4
Turning Power On .....	5
Using Headphones .....	5
<b>IMPORTANT NOTES .....</b>	<b>6</b>
<b>1. Playing Your HP 3800G/2800G .....</b>	<b>8</b>
Adjusting Volume/Brightness of the Sound .....	8
Listening to the Demo Songs .....	8
Trying Out the Sounds .....	9
Playing in Time With the Metronome .....	10
Layering Two Tones — Dual Play .....	11
Changing the Keyboard's Touch .....	11
Adding Expansiveness — Chorus .....	12
Adding Reverberation — Reverb .....	12
Playing Any Key As If It Were In C Major — Key Transpose Feature .....	13
<b>2. Piano Practice Using the HP 3800G/2800G .....</b>	<b>14</b>
2.1 First, Listen to the Demo Songs .....	14
2.2 Practicing the Left and Right Hands Separately .....	18
2.3 Recording What You Play Along With the Sample .....	20
2.4 Playing While Accompanied by Full Backing — Minus One .....	23
2.5 Enjoying Song Playback .....	25
2.6 Recording Your Performances .....	26
<b>3. Other Convenient Functions .....</b>	<b>28</b>
Changing the Key of What Is Played From the Keyboard — Key Transpose .....	28
Changing the Key of the Accompaniment — Playback Transpose .....	29
Adjusting the Piano's Pitch — Tuning .....	30
Using the Pedals to Control Playback .....	31
Saving Recorded Music Onto Disk — Save .....	32
Using New Disks — Formatting .....	33
Changing the Chorus Settings .....	34
Changing the Reverb Settings .....	34
Changing the Metronome's Volume .....	35
Muting Individual Parts .....	35
<b>SPECIFICATIONS .....</b>	<b>39</b>
<b>Error Chart .....</b>	<b>40</b>
<b>MIDI Implementation Chart .....</b>	<b>42</b>

  
**ATTENTION**  
 RISQUE DE CHOC ÉLECTRIQUE NE PAS OUVRIR

**CAUTION**  
 RISK OF ELECTRIC SHOCK  
 DO NOT OPEN



**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK,  
DO NOT REMOVE COVER (OR BACK).  
NO USER-SERVICEABLE PARTS INSIDE.  
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

## IMPORTANT SAFETY INSTRUCTIONS

### SAVE THESE INSTRUCTIONS

**WARNING** - When using electric products, basic precautions should always be followed, including the following:

1. Read all the instructions before using the product.
2. Do not use this product near water — for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
3. This product should be used only with a cart or stand that is recommended by the manufacturer.
4. This product, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be located so that its location or position does not interfere with its proper ventilation.
6. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
7. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
8. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
9. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
10. The product should be serviced by qualified service personnel when:
  - A. The power-supply cord or the plug has been damaged; or
  - B. Objects have fallen, or liquid has been spilled onto the product; or
  - C. The product has been exposed to rain; or
  - D. The product does not appear to operate normally or exhibits a marked change in performance; or
  - E. The product has been dropped, or the enclosure damaged.
11. Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.

For the USA

This product may be equipped with a polarized line plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.

For Canada

For Polarized Line Plug

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

**ATTENTION:** POUR ÉVITER LES CHOCs ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOND.

For the U.K.

**IMPORTANT:** THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE	: NEUTRAL
BROWN	: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.  
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

\*Apple is a registered trademark of Apple Computer, Inc.

\*Macintosh is a trademark of Apple Computer, Inc.

\*IBM PC is a registered trademark of the International Business Machines Corporation.

# INTRODUCTION

## FEATURES

Thank you, and congratulations on your choice of the Roland HP 3800G/2800G Digital Piano.

The HP 3800G/2800G offers extremely realistic-sounding piano performances thanks to its high-quality concert grand piano sounds and hammer-action keyboard. But it also allows you to branch out and accommodate almost any other kind of music, since it is also stocked with a wide variety of instrument sounds other than piano.

Additionally, the instrument comes equipped with its own five-track sequencer (the "Piano Partner") that is as easy to use as any ordinary tape recorder. By using the 50 sample songs included inside, along with the "minus one" feature, you can enjoy innumerable hours of effective practice, or have fun playing while the sequencer provides the backing instruments. Further, thanks to the instrument's disk drive, you can also include any of the many commercially available music data disks as part of your lesson plans.

In order to enjoy to the full all the features that have been made available, and be assured of trouble-free service for many years to come, please take the time to read this manual in its entirety.

## About the HP 3800G/2800G Sound Generator

### General MIDI System



The General MIDI System is a set of recommendations which seek to provide a way for going beyond the limitations of proprietary designs, and standardize the MIDI capabilities provided by sound generating devices. If you use a sound generating unit which carries the General MIDI logo, you will be able to faithfully reproduce any song data which also carries the General MIDI logo.

### GS Format



The GS Format is Roland's universal set of specifications which were formulated in the interest of standardizing the way in which sound generating devices will operate when MIDI is used for the performance of music.

If you use a sound generating unit which carries the GS logo, you will be able to faithfully reproduce any commercially available song data which also carries the GS logo.

This product supports both General MIDI and GS.

Song data which carries either of these logos can be accurately reproduced.

## About the HP 3800G/2800G Sequencer



The HP 3800G/2800G can play back ISM Music Data (3.5 inch floppy disks).



The HP 3800G/2800G can play back SMF Music Data (720 KB/1.44 MB formats, 3.5 inch floppy disks).

## INTRODUCTION

### Setting Up the Music Rest

The music rest is packaged inside the cardboard box that your piano came in. Attach it to the piano as follows:

1. While holding the music rest at an angle, insert it into the slots at the rear.



2. Gently move the rest into the upright position.

To lean it back, slide your hand behind and support the legs while you tilt it.

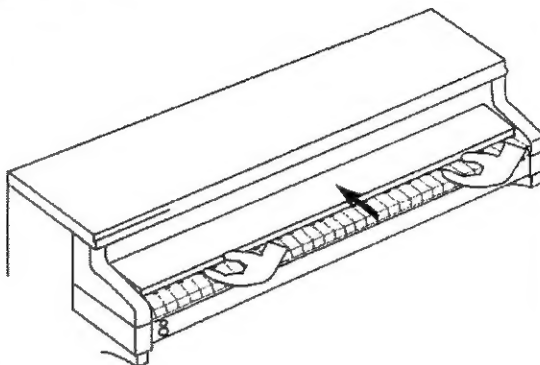


\* Before moving or transporting the unit, always be sure to remove the music rest first.

### Opening/Closing the Lid

To open the lid, grasp it with both hands to lift it lightly, then slide it back.

To close the lid, pull it forward slowly until it stops, then gently lower it.

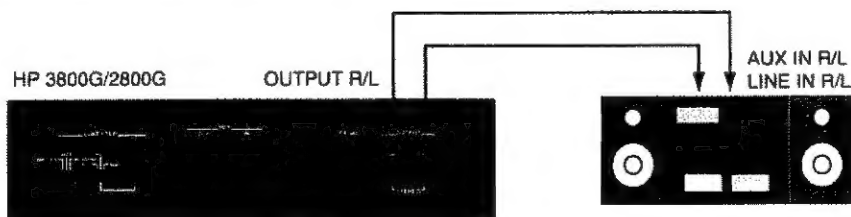


\* Be careful so you do not get your fingers caught when opening/closing the lid.

\* To prevent accidents, always close the lid before you move the piano.

### Connection to External Audio Equipment

Whenever you want to hear your piano played through a set of external speakers, or want to record onto a tape recorder, you can simply connect cords between the AUX IN or LINE IN jacks on your external keyboard amplifier or mixer and the OUTPUT R/L jacks located on the rear of this piano.

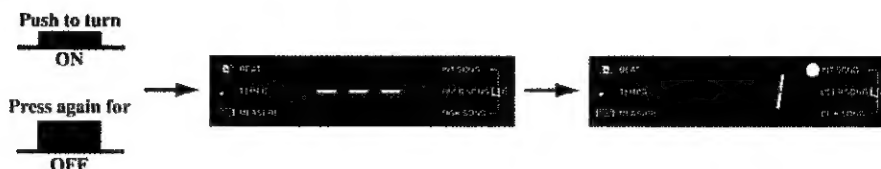


\* Make sure to connect to the L (MONO) jack on this instrument if you are running only one cord to a monaural device.

## Turning Power On

1. Insert the plug on the power cord into an outlet.
2. Press the POWER button at the left side of the panel to turn power ON.

After a few seconds the display shown below appears.



Note, though, that depending on the setting in effect for the COMPUTER switch (page 36, 37) on the rear panel, you could see one of the screens shown below. Should that be the case, you might not be able to use the Piano Partner (refer to page 14), or MIDI data arriving at MIDI IN could be ignored.

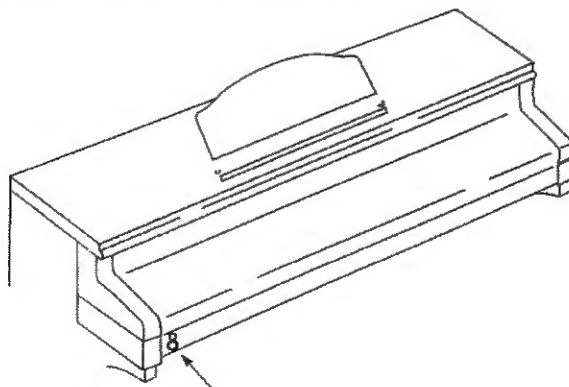


Should the above appear in the display, refer to page 36, 37.

- \* Due to its circuitry protection feature, this instrument requires a few seconds immediately after power up before it is ready for operation.
- \* Make sure to always use only the power cord that was supplied with this unit.
- \* Always be sure to use a power source that provides the amount of voltage this unit is designed for.
- \* Whenever you do not intend to use the unit for an extended period of time, pull the power cord's plug out of the outlet.

## Using Headphones

A headphone jack is located at the front left side of the instrument. Once you have headphones connected, the unit's speakers will no longer produce sound. By listening through headphones, you can play whenever you please (such as late at night) without worrying about bothering others.



The VOLUME slider on the instrument is used to adjust the headphone volume.

We recommend that you use stereo headphones, preferably the optionally available Roland RH-20/80/120.

# IMPORTANT NOTES

In addition to the items listed under Safety Precautions inside the front cover, please read and observe the following:

## Power Supply

- Before connecting this unit to other devices, turn off the power to all units; this will help prevent damage or malfunction.
- Do not use this unit on the same power circuit with any device that will generate line noise; an electric motor or variable lighting system for example.

## Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Observe the following when using the unit's disk drive. For further details, refer to "Before Using Disks".
  - Do not place the unit near devices that produce a strong magnetic field (eg., loudspeakers).
  - Install the unit on a solid, level surface.
  - Do not move the unit or subject it to vibration while the drive is operating.
- Make sure you always have the instrument placed so it is level and sure to remain stable. Otherwise, if played while tilted, you risk causing damage to the keyboard as a result of the unnatural degree of force that might be applied to certain parts of it.

## Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzene, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

## Additional Precautions

- Protect the unit from strong impact.
- Do not allow objects or liquids of any kind to penetrate the unit. In the event of such an occurrence, discontinue use immediately. Contact qualified service personnel as soon as possible.
- Never strike or apply strong pressure to the display.
- A small amount of heat will radiate from the unit during normal operation.
- Before using the unit in a foreign country, consult with qualified service personnel.

## Handling the drive

- Avoid using the unit in areas of high humidity (eg., condensation). High levels of humidity can adversely affect the operation of the drive and/or damage floppy disks. When the unit has been transported, allow it to warm to room temperature before operating.
- To insert a disk, push it gently but firmly into the drive — it will click into place. To remove a disk, press the EJECT button firmly. Do not use excessive force to remove a disk which is lodged in the drive.
- Never attempt to remove a floppy disk from the drive while the drive is operating (the indicator is lit); damage could result to both the disk and the drive.
- Remove any disk from the drive before powering up or down.

## Moving the Instrument

When attached to the keyboard stand, the instrument is top-heavy. Two people should be on hand to move it. When moving the instrument, take care to protect yourself from injury and the instrument from damage.



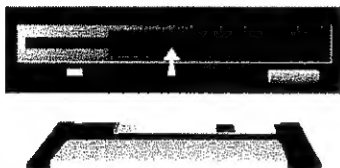
The HP 3800G/2800G uses 3.5-inch 2DD or 2HD floppy disks (sometimes called "microflopies"). They are used to store the song you record on the HP 3800G/2800G.

*\* Please use 2HD disks whenever possible. This is because the data access speed of a 2DD disk is somewhat slower than that of a 2HD, and this may on rare occasions cause playback errors. And song selection or song position displays may be delayed slightly.*

## 1. Inserting a Disk

To insert a disk, push it firmly (but gently) into the drive; label side up — it will click into place.

- Make sure the disk is correctly inserted before trying to use it!



## 2. Removing a Disk

To remove a disk, press the EJECT button firmly.

### For the HP 2800G's User

- Usually the disk drive light is not lit, but it will be lit when the disk drive is reading or writing data. Never attempt to remove a floppy disk from the drive while the drive is operating (the indicator is lit); damage could result to both the disk and the drive.

### For the HP 3800G's User

- When the power is on, the disk drive light will alternate between being dimly lit (disk drive ready) and lit (disk drive in operation). In the latter case, do not try to eject the disk or you might damage the disk or the drive.



## 3. Write Protecting Your Disks

Floppy disks contain a write protect tab which can protect the disk from accidental erasure. It is recommended that the tab be kept in the 'protect' position and moved to the 'write' position only when you wish to write new data onto the disk.

## 4. Handling Floppy Disks

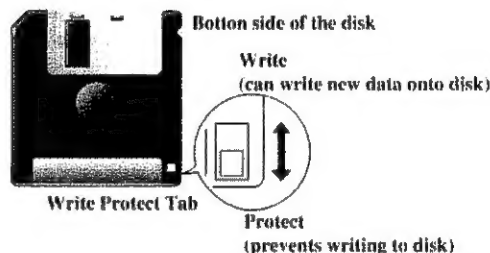
- Floppy disks contain a magnetic storage medium (much like magnetic recording tape). Please observe the following when handling floppy disks:

Never touch the magnetic medium inside the disk.

Do not subject floppy disks to temperature extremes (eg., direct sunlight in an enclosed vehicle). Recommended temperature range: 10 to 50°C.

Do not expose floppy disks to strong magnetic fields, such as those generated by loudspeakers.

- Floppy disks contain a 'write protect' tab which can protect the disk from accidental erasure. It is recommended that the tab be kept in the 'PROTECT' position and moved to the 'WRITE' position only when you wish to write new data onto the disk.



- All important data should be copied onto backup disk(s). This provides a complete duplicate of the data should the original disk(s) be lost or damaged.
- The identification label should be firmly fixed to the disk. Should the label come loose while the disk is in the drive, it may be difficult to remove the disk.
- Put the disk back into its case for storage.

# 1. Playing Your HP 3800G/2800G

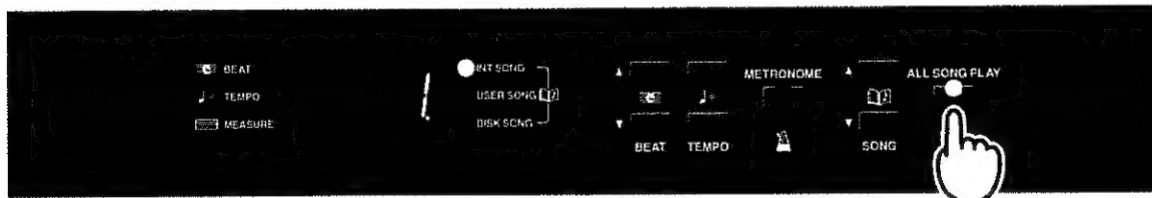
## Adjusting Volume/Brightness of the Sound



1. Adjust the **VOLUME** slider until you have the volume you need.  
At "MAX" you obtain the greatest volume, while at "MIN" it is reduced to zero.
  2. Move the **BRILLIANCE** slider to obtain the overall sound quality you desire.  
The sound takes on a more brilliant quality as you move the slider towards "BRIGHT." As you move towards "MELLOW," the sound becomes more subdued.
- \* Ordinarily, the **PLAYBACK BALANCE** slider at the panel's far right should be left at the center position. For information on how the **PLAYBACK BALANCE** slider is used, see "Dual Play" (p. 11); "Minus One Play" (p. 23).

## Listening to the Demo Songs

A number of demo songs are provided by your HP 3800G/2800G. To listen to them, follow the instructions below.



Press **ALL SONG PLAY**.

The button's indicator lights, and the demo songs will start to play. Press the button again, and the demo songs will stop playing (the indicator goes out).

The demo songs will keep repeating until you stop them. By the way, having the instrument play in this manner is known as "All Song Play."

- \* Should you wish to select a particular song and have it alone play, please see page 14.
- \* Refer to the separate *Demonstration Song Chart* for details on song numbers, names, and composers.

## Trying Out the Sounds

The HP 3800G/2800G has a full palette of sounds stored inside it. These sounds are arranged into a number of groups, depending on the general type.



### Selecting Tone Groups

1. Press the button for a tone group. Notice that its indicator lights up.

Whichever group button is lit is the one which will sound. Play the keyboard and try out the tone you have selected.

Voices	Characteristics
PIANO	A thick, rich concert grand piano sound.
HARPSICHORD	A sensitive and refined harpsichord sound.
VIBRAPHONE	The sound of a large-sized vibraphone.
E. PIANO	Offers the sound of a luminous, transparent electric piano.
STRINGS	The delightful sound of a string ensemble.

### Selecting Variations

Each of the tone groups offers a large variety of Variations. Since each sound has its own unique quality, you should try all of them out so you will know where to find just the sound that is best for the music you are playing.

After selecting a tone group, follow the steps below to select Variations.

- 2.1 Use  to select among Variations.

The indicator on the tone group button will start flashing. In the display, you will see the number of the Variation that you currently have selected. Play the keyboard and check out how this new voice sounds.

- 2.2 Press the tone group button which is flashing.

The indicator on this button will now light steadily (stops flashing). This shows you that your selection has been put in effect, so you will then be able to hear the newly chosen Variation when you play the keyboard.

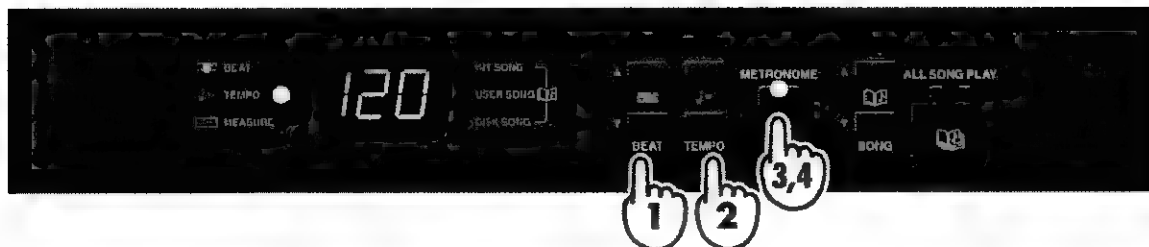
\* Different numbers of Variations are contained in each of the tone groups. Please refer to the separate Tone Chart for a full listing of the Variations available in each tone group.

\* Every time power is turned on, the instrument is set so that Variation number "1" is selected.

## 1. Playing Your HP 3800G/2800G

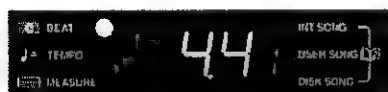
### Playing in Time With the Metronome

The HP 3800G/2800G provides a metronome which you can conveniently use while you practice.



1. Using , select the desired beat (time signature).

The correspondence between the numbers shown in the display and the beat at which the metronome will sound is as shown below.





Display	Beat
0.4	The weaker beats sound, while the downbeat is silent
2.4	2/4 time
3.4	3/4 time
4.4	4/4 time
5.4	5/4 time
6.4	6/4 time
3.8	3/8 time
6.8	6/8 time
12.8	12/8 time

2. Use  to select the desired tempo.

Any setting from 20 through 250 as the value of a quarter note is possible. View the display to see which setting you currently have.



3. Press  and the metronome will begin sounding (the button's indicator lights).
4. To turn the metronome off, once again press  and confirm that the button's indicator has gone out.

\* To adjust the volume of the metronome, see page 35.

## Layering Two Tones — Dual Play

If you want, you can have two tones be played simultaneously when you play on the keyboard. For example, you could have the Piano and Strings tones layered together. Setting the instrument to play in this manner is known as “Dual Play.”

**Example: Playing with the Piano and Strings tones layered together.**



While holding down **PIANO**, press **STRINGS**.

The indicators on both of the tone group buttons will light, and when you play the keyboard, both of the selected tones will play simultaneously.

To alter the volume, and adjust the balance of one tone respective to the other, use the **PLAYBACK BALANCE** slider at the panel's right.

*\* You cannot use the Dual feature at the same time as you are using the Piano Partner (p. 14).*

## Changing the Keyboard's Touch

The HP-3800G/2800G allows you to alter the response of the keyboard. This is a feature that you won't find on an acoustic piano since it relies on digital technology.



Press **KEY TOUCH** to select the desired key touch.

Each press of the button cycles you successively through the three available choices.

### MEDIUM

This is the standard setting. It provides the most natural response, being nearly identical to that of an acoustic piano.

### HEAVY

At this setting, the keyboard will have a heavier feel, and will therefore require greater playing force to obtain fortissimo. It allows for more dynamic expression to be put into your playing. This setting is also useful if you normally apply more pressure than others, or can be used for practice in strengthening the fingers.

### LIGHT

With this setting the keyboard will have a lighter feel to it, and fortissimo level (*ff*) can be obtained with a touch that is softer than normal. This setting is ideal for children, since it makes playing easier for them.

## 1. Playing Your HP 3800G/2800G

### Adding Expansiveness — Chorus

When you use chorus, you obtain an effect which makes it sound like there are a multiple number of instruments sounding simultaneously. As a result, you add more presence, expansiveness, and fatness to the sound.



To use chorus, press **CHORUS** and confirm that the button's indicator is lit.

\* Refer to page 34 if you want to change the depth of the chorus effect.

### Adding Reverberation — Reverb

The reverb effect adds a pleasant wash of reverberation to your music, making it seem as if you were playing inside a concert hall.



To add reverberation, press **REVERB** and confirm that the button's indicator is lit.


\* Refer to page 34 if you want to change the depth of the reverb effect.

## Playing Any Key As If It Were In C Major — Key Transpose Feature

The Key Transpose feature allows you to have your music play in a different key, without actually changing your fingering positions.

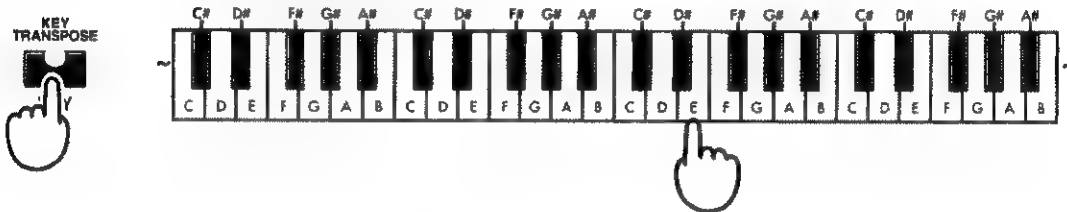
It conveniently allows you to transpose a song in a difficult key (having numerous sharps and flats) into a key that is easier to play, or to quickly shift to a key that better suits a vocalist.

### Example: Playing a song in E major using the fingering for C major.

1. While holding down , press the keyboard key representing the tonic of the new key you want to play.

In other words, you will want an E ("do" for E major) to be played when you play a C ("do" for C major), if you intend to play a song in E major using the fingering for C major. So, you would hold

down  and press the E key.



The indicator on  lights, and thereafter whatever is played will be transposed.

2. To return to the original key, press  again, and check that its indicator has gone out.

\* There is also another way to make settings for key transposition. See page 28.

# 2. Piano Practice Using the HP 3800G/2800G

The HP-3800G/2800G comes equipped with the "Piano Partner," which can play either the internal sample songs or any commercially available music data. So beyond simply being played as a piano, the instrument also provides you with a lot of other possibilities which can make your lessons more interesting and productive.

This chapter will introduce some of the ways that the Piano Partner can be used in lessons.

## 2.1 First, Listen to the Demo Songs

Before practicing the piano, it is important that you first listen carefully to the music you intend to learn. The HP 3800G/2800G provides you with a great variety of demo songs which you should try to listen to as many times as you can.

### Try Listening to the Demo Songs



1. Select the song using .

Here, let's try selecting "Vorschule im Klavierspie op.101 No.80," song number 19. View the display so you know which song number you currently have called up.





2. Press , and the song will start playing (the button's indicator lights).

While play is in progress, the number of the measure that is currently playing will be shown.



\* With certain songs, it could take a little while before the song starts playing after you press [PLAY].

3. Press , and the song will stop playing.

\* If you want, you can use  to go back, or  to go forward a number of measures in the song while you play it back.

\* See the separate sheet (Demo Song chart) for a list of the song names and numbers.



### Listening to Only the Left or Right Hand Parts — Track Mute

An ordinary stereo tape recorder separately records the sound for the left and right speakers. These two separate recording locations are known as "tracks."

The demo songs included in the HP 3800G/2800G are recorded in a way that uses five tracks. Since what is played by the right hand is recorded on a track separate from the left hand part, you can more easily use the songs for learning how to play.

"Vorschule im Klavierspie op.101 No.80," song number 19 has the music for the left hand in track 3, and that for the right hand in track 4.



Left Right

Follow the steps below to listen only to the part played with the left hand, the music in track 3.



1. Press **RESET** to return to the beginning of the song.



2. Press **TRACK**, and confirm that its indicator has gone out.



Left Off

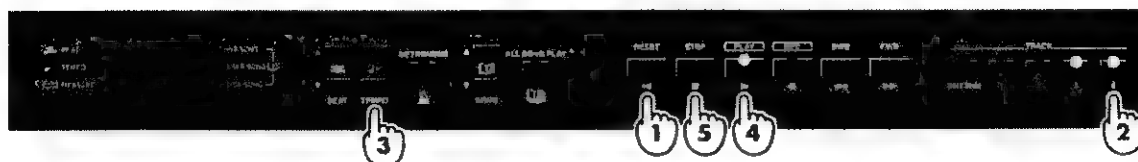
3. Press **PLAY**, and the music for the left hand (track 3) alone will start playing.
4. Press **STOP**, and the song will stop playing.

\* If instead you wanted to listen to only the right hand part, you would get the **TRACK** indicator light to light, and then turn off **TRACK**.

## 2. Piano Practice Using the HP 3800G/2800G

### Listening to Songs at Different Tempos

If you wish, you can alter the tempo of the internal songs (or those stored on disk) for playback. The pitch doesn't change even when played at an altered tempo.



1. Press **RESET** to return to the top of the song.



2. Press the previously turned off **TRACK**, and confirm that the button's indicator is lit.

3. Press **TEMPO** and select the desired tempo.

You can also change the tempo while a song is playing if you wish. Just press the button until you arrive at the tempo you want. The display will show the tempo you currently have.



4. Press **PLAY**, and the song will start playing (the button's indicator lights).

5. Press **STOP**, and the song will stop playing.

\* Press the two **TEMPO** buttons simultaneously to return to the original tempo.

### Repeating the Same Section

The HP 3800G/2800G allows you to place markers within songs. Once you have a marker in place, you can have playback start from that measure.



1. Using **BWD** or **FWD**, shift to the beginning of the measure that you want to listen to.

Here, let's try moving to the eighth measure. Every time you press **BWD** or **FWD**, the display will show you the number of the measure you moved to, so you can easily find the measure you want.



2. Press **STOP** while holding down **RESET**.

You have just placed a marker at the eighth measure.

3. Press **PLAY**, and play begins from the eighth measure.

4. Press **RESET** and the song stops playing. You are returned to the beginning of the eighth measure once again.

If you press **RESET** again when in this status, you are returned to the top of the song. You are returned to the eighth measure if you were at a point after the ninth measure.

\* You can only place markers at the beginning of a measure. You cannot place them part way through a measure.

\* If you press **RESET** at a measure between the first measure and the marked measure, you are returned to the first measure, but the marker remains stored.

**Example:** If you place a marker at the eighth measure for the song on page 24, it would be more convenient for practicing because you could skip the introduction.

## 2.2 Practicing the Left and Right Hands Separately

Listen to the demo song enough times to acquire a feeling for the song, then try practicing the left hand and right hand parts separately.

### Help with Getting the Right Timing to Begin — Count-In

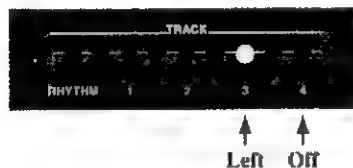
When using the internal songs for practice, you may find it a little difficult to get in time with the song if it suddenly starts before you are ready. You will probably want to take advantage of the Count-In feature, which begins signaling you two measures before the actual song starts. Playing this way is called "Count-in play."



1. Press **REPEAT** to return to the top of the song.



2. Press **TRACK** once, and confirm that its indicator has gone out.



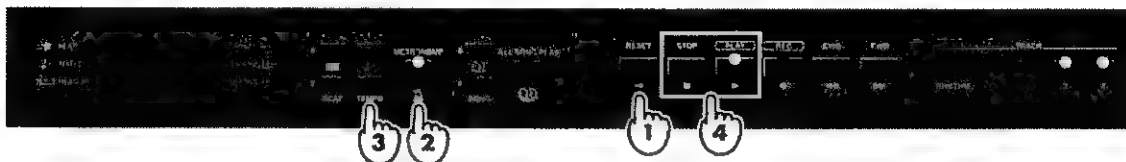
Now try practicing only the right hand part along with the demo song for the left hand.

3. Press **PLAY** while holding down **STOP**. Play begins after a two-measure count-in.



### Sounding the Metronome While You Play

The HP 3800G/2800G contains a very clever metronome. By listening to this metronome, you can practice achieving the correct tempo.



1. Press **RESET** to return to the top of the song.



2. Press **BEAT**, and the metronome will begin sounding.

3. Select the desired tempo using **TEMPO**.

To begin with, try setting it to a fairly slow tempo.



\* Press the two **TEMPO** buttons simultaneously to return to the original tempo.

4. Press **PLAY** while holding down **STOP**.

Play begins after two measures of count-in have sounded.  
The metronome will continue sounding throughout.

### 2.3 Recording What You Play Along With the Sample

You can also record what you play along with the demo songs. By playing back the recorded performance afterwards, you can judge for yourself how well you did, and find out where you need improvement.

#### Recording While Playing Along With the Sample

After you have practiced the right hand part for a while, try recording it while you have the Piano Partner play the left hand part.



1. Press **RESET** to return to the top of the song.



2. Since you want the Piano Partner to play only the left hand part while recording, you need to mute the track in which the right hand part is contained. So, press **TRACK** (make sure its indicator has gone out).

3. Press **REC** to place the unit in recording standby.

The indicator on **REC** will be lit, the indicator on **PLAY** will start blinking on and off.

4. The indicator for the track having the lowest number among all the empty tracks lights up.

**TRACK** should light up if you have followed along with the examples so far. This means that what you play will go into track 1.



For recording

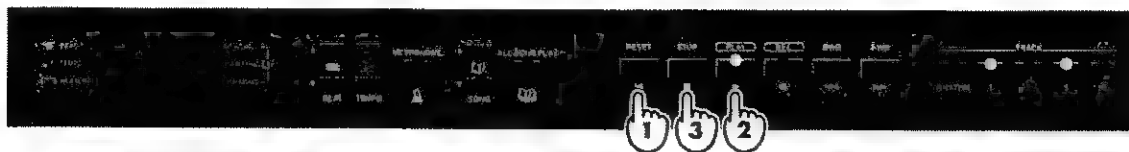
5. Press **PLAY**, and the button's indicator will then light steadily (instead of flashing). Recording begins after a two-measure count-in has sounded.

Now, try playing along with the demo song.

6. Press **STOP** when you have completed the performance.

\* After recording a long piece, the panel buttons will not respond while the indicator (e.g., MEASURE indicator) continues flashing. You will need to wait until the indicator finishes flashing, then press whatever buttons you need.

## Playing Back What You Have Recorded



1. Press **RESET** to return to the top of the song.
2. Press **PLAY**, and the previously recorded performance begins playing.

Both the recorded right hand part, as well as the demo song for the left hand will be played back together, as illustrated below.



↑
↑  
**Right**      **Left**  
**Recording of what you played**      **Demo Song**

To listen to only what you played:

Turn on the indicator for **TRACK 2** and turn off **TRACK 3**.

To listen to the demo song:

Turn on the indicator for **TRACK 3** and turn off **TRACK 2**.

3. Press **STOP** when the performance has finished.

## 2. Piano Practice Using the HP 3800G/2800G

### Notes Concerning Recording

Your recordings will be discarded as soon as you turn power off, or select some other song. If you want to preserve the data which you have recorded, you will need to save it onto floppy disk. (See page 32.)

**Carry out the steps below to erase data (select another song)**



1. Press either of , the display will show the song number "0."




Press either of  again, the display will show a message (ERASE), asking you to confirm if you want to perform an erasure.



2. To go ahead and erase it, press  (flashing).

Should you actually not want to erase it, press .

After you erase the song data, you can select another song using .



## 2.4 Playing While Accompanied by Full Backing — Minus One

"Minus One" playing refers to a method of using the Piano Partner. You decide on the part you want to play on the keyboard, then turn off the playback for the track that contains that part. You can then enjoy playing that part while you are accompanied by full backing.



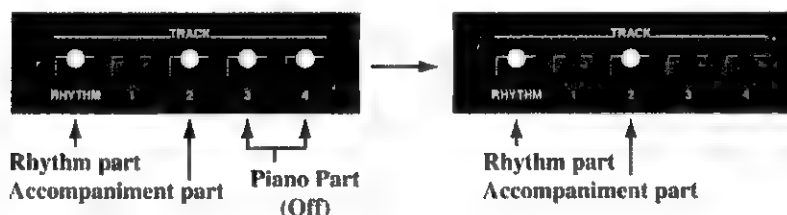
1. Using **SONG**, select the song.

For now, try selecting song number 42, "Secret Agent."



2. Press **TRACK 3** and **TRACK 4** (make sure their indicators have gone out).

As a result, only the accompaniment will be played.



3. Press **PLAY** (its indicator lights) and "Secret Agent" will begin playing. Try playing along with it. The music for the piano part appears on the next page.

Use the PLAYBACK BALANCE slider to adjust the volume of the accompaniment.



4. Press **STOP** when you have completed the performance.

**Secret Agent:** Music by John Maul Copyright ©1993, Roland UK

**John Maul**

John Maul is a musician, composer and arranger having graduated from the Royal Academy of Music in London. John's work encompasses studio recordings and live performances, including work with top cabaret artists in the U.K. His writing credits include commercial music for radio and television, as well as scoring jazz and classical works. As a product specialist for Roland U.K., John's talents are well utilized in the preparation of support material for educational and instructional use.

## 2. Piano Practice Using the HP 3800G/2800G

### Secret Agent

John Maul

1

Musical notation for measures 1-4. The piece is in common time (C). Measures 1-3 are whole rests in both staves. Measure 4 contains a four-measure rest in both staves, indicated by a '4' above and below the staff. Measure 5 begins with a melody in the right hand starting on G4, moving up stepwise to B4, and a bass line in the left hand starting on E3, moving up stepwise to G3. The dynamic marking *mf* is present.

9

Musical notation for measures 5-8. Measure 5 continues the melody from measure 5. Measure 6 has a half note G4 in the right hand and a half note E3 in the left hand. Measure 7 has a half note A4 in the right hand and a half note F3 in the left hand. Measure 8 has a half note B4 in the right hand and a half note G3 in the left hand.

12

Musical notation for measures 9-11. Measure 9 has a half note C5 in the right hand and a half note A2 in the left hand. Measure 10 has a half note D5 in the right hand and a half note B2 in the left hand. Measure 11 has a half note E5 in the right hand and a half note C3 in the left hand.

16

Musical notation for measures 12-15. Measure 12 has a half note F5 in the right hand and a half note D2 in the left hand. Measure 13 has a half note G5 in the right hand and a half note E2 in the left hand. Measure 14 has a half note A5 in the right hand and a half note F2 in the left hand. Measure 15 has a half note B5 in the right hand and a half note G2 in the left hand.

20

Musical notation for measures 16-19. Measure 16 has a half note C6 in the right hand and a half note A1 in the left hand. Measure 17 has a half note D6 in the right hand and a half note B1 in the left hand. Measure 18 has a half note E6 in the right hand and a half note C2 in the left hand. Measure 19 has a half note F6 in the right hand and a half note D2 in the left hand. The dynamic marking *sfz* is present.

24

Musical notation for measures 20-23. Measure 20 has a half note G6 in the right hand and a half note E2 in the left hand. Measure 21 has a half note A6 in the right hand and a half note F2 in the left hand. Measure 22 has a half note B6 in the right hand and a half note G2 in the left hand. Measure 23 has a half note C7 in the right hand and a half note A2 in the left hand. The dynamic marking *mf* is present.

## 2.5 Enjoying Song Playback

Since a disk drive is contained in the HP 3800G/2800G, you can enjoy playing back commercially available music data.

Before using disks, please read "Handling Floppy Disks" (p. 5).

### Using the Disk Drive to Listen to Some Songs



#### 1. Insert a disk into the disk drive.

The disk drive on the HP 3800G is located at the far right side of its panel. The disk drive on the HP 2800G is located at the far right, below the keyboard.

Make sure you have the right side of the disk facing upwards (label side up).



#### 2. Press to select a song.

When selecting songs recorded on disk, the DISK SONG indicator lights up (will light).



#### 3. Press , and the song will start playing.



#### 4. Press , and the song will stop playing.

#### 5. Press to have songs play consecutively, much like on a CD player. (refer to page 8)

\* While a disk is inserted, you will not be able to select any of the internal demo songs.

\* If an error (such as shown below) has been displayed after inserting a disk, or while a song is playing, refer to the Error Table on page 40, 41.



\* After you have pressed , or have pressed  and entered recording standby, the panel buttons will not respond while the DISK SONG indicator continues flashing. You will need to wait until the DISK SONG indicator has gone out, then press whatever buttons you need.

## 2. Piano Practice Using the HP 3800G/2800G

### 2.6 Recording Your Performances

You can record the songs you like using whatever tones you desire. If you use all five tracks, you can create ensemble pieces that produce five instrument sounds simultaneously.

#### Try Recording a New Song



1. Select the tone you wish to use for recording, and make settings for chorus, reverb, and tempo to your liking.

\* You cannot alter the tone, tempo, or beat of a song once you begin recording.


2. Using , select song number 0.

The easiest way to get to song number 0 is to press both of the  buttons at the same time.


If recording a new song, the USER SONG indicator will light.



3. Press  (its indicator lights), and you enter recording standby.

The indicator on  will light. If you want to record on a different track, press the button for that track (its indicator will light).



\* If you want to have the metronome on to listen to while you record, press  and confirm that its indicator has lighted.

4. Press , and recording will begin after a two-measure count-in.

Start playing.

5. Press  when you are finished.

\* All data you record will be erased as soon as you turn the power off, or select some other song. If you want to preserve the recorded data, please see "Saving Recorded Music Onto Disk — Save" (p. 32).

\* If you re-record on a track that already contains data, everything that was formerly in the track after the point at which you begin recording will be replaced with the new material you have recorded.

## 2. Piano Practice Using the HP 3800G/2800G

### Creating Ensembles Using Multi-track Recording

The instrument allows you to enjoy creating ensembles by recording the music for left and right hands into separate tracks, as well as by adding other instrument parts. For information on the tones available, refer to the Tone Chart. You may want to also look at page 9 for instructions on how to "Selecting Tone Groups," "Selecting Variations."



1. Since we already recorded something into track 1 on the previous page, let's try recording something else using a different tone.

Select the desired sound using the tone and Variation buttons.

2. Press **REC** to place the unit in recording standby.

**TRACK 2** will light up.



3. Press **PLAY**, and recording begins after a two-measure count-in.

While listening to track 1, play what you need to go along with it.

4. Press **STOP** when you are finished playing.

You can then repeat steps 1 through 4 and record the bass into track 2, the drums into the RHYTHM track, and whatever other part you need into the remaining track.



\* If an error message has appeared during recording, refer to the Error Table on page 40, 41.



\* You should always use the RHYTHM Track for recording the drum part.

# 3. Other Convenient Functions

## Changing the Key of What Is Played From the Keyboard — Key Transpose

The HP-3800G/2800G allows you to transpose everything you play without altering your fingering.



1. Press **FUNCTION EXIT**. (The button's indicator starts flashing.)
2. Press **KEY TRANSPOSE**, and confirm that its indicator is lit.
3. Press **VARIATION** to select the amount of transposition desired.

The current value is shown in the display (-6 to 0 to 5).



When you press ▲ twice



Play this...



and this will sound

4. Once again press **FUNCTION EXIT**, and confirm that the indicator has gone out.

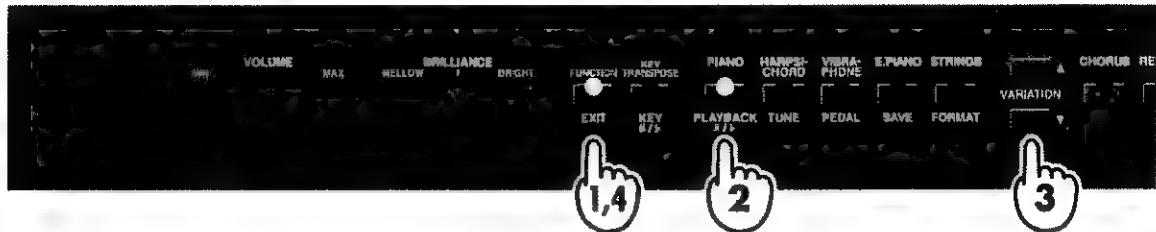
The key is altered only while **PIANO PLAYBACK** is lighted.

\* When the power is turned on, key transposition is set to 0.

\* The Key Transpose function will transpose only the notes you play on the keyboard.

## Changing the Key of the Accompaniment — Playback Transpose

You can also have data on a disk be transposed when it is played back, making it convenient for you to play along with the data when you have the keyboard transposed.



1. Press . (The button's indicator starts flashing.)

2. Press , and confirm that its indicator is lit.

3. Press to shift the key at which the data will play.

The current value is shown in the display (–6 to 0 to 5).



When you press ▲ twice



Play this...



and this will sound

4. Press , and check that the indicator has gone out.

\* When the power is turned on, the amount of transposition is set to 0.

\* The Playback Transpose function will transpose only the music data that is played back. What you play on the keyboard will not be transposed.

### 3. Other Convenient Functions

## Adjusting the Piano's Pitch — Tuning

When you play together with some other instrument, it is important to have the piano's reference pitch matched properly with the other instrument, otherwise you won't be able to produce the kind of music you hope for. The reference pitch commonly refers to the pitch of the middle A key on the keyboard, and is expressed in hertz.

To tune the piano, you simply need to alter the frequency of the reference pitch.



1. Press **FUNCTION EXIT**. (The button's indicator starts flashing.)

2. Press **HARP/CHORD TUNE**, and confirm that its indicator is lit.

3. Press **VARIATION** to adjust the pitch.

The possible values are: 415.3 to 466.2 Hz as the pitch of the middle A key.

For example, at 440.0Hz

**400**

Only 40.0 will be displayed

4. Once again press **FUNCTION EXIT**, and confirm that the indicator has gone out.

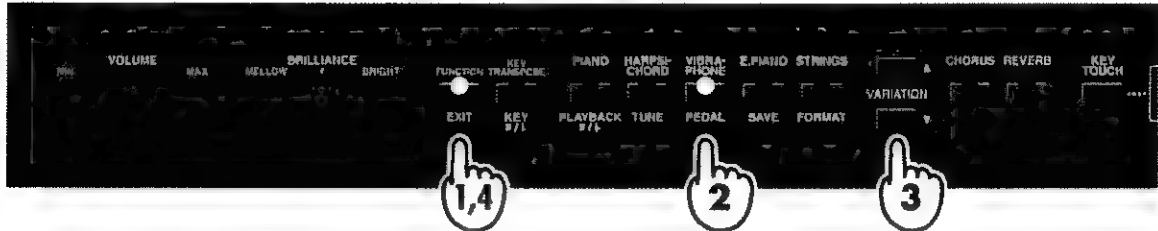
\* Each time the power is turned on, middle A is set at 440.0 Hz.

\* When you alter the tuning, the pitch of everything (including performances of data from disk) will change.



## Using the Pedals to Control Playback

The HP 3800G/2800G provides three pedals. The center pedal ordinarily acts as a sostenuto pedal, but you can also set the unit so the pedal instead doubles as a PLAY/STOP switch when playing/stopping songs using the Piano Partner.



1. Press **FUNCTION EXIT**. (The button's indicator starts flashing.)

2. Press **VIBRA-PHONE PEDAL**, and confirm that its indicator is lit.

3. Press **VARIATION**.

To have the pedal revert to being a sostenuto pedal, press **VARIATION**.

A "1" appears in the display when the pedal is acting as a sostenuto pedal, and a "2" when it serves as a PLAY/STOP switch.

Sostenuto Pedal      START/STOP Pedal



4. Once again press **FUNCTION EXIT**, and confirm that the indicator has gone out.

\* When the power is turned on, the center pedal is set to be a sostenuto pedal.

### 3. Other Convenient Functions

## Saving Recorded Music Onto Disk — Save

All music you record will be lost as soon as you turn the power off, or select some other song. If you want to preserve what you have recorded, you will need to save the data onto disk by following the steps below.

\* *Brand new disks cannot be used as they are. Please refer to the next page, "Formatting."*



1. Slide the protect tab on the disk you are going to save data onto to the WRITE position (see p. 5), then insert it into the disk drive.

Make sure you have the top (label) side of the disk facing upwards.

2. Press **FUNCTION** **EXIT** and confirm that the indicator has started flashing.

3. Press **E.PIANO** **SAVE** and confirm that the indicator has started flashing.

4. Use **VARIATION** to select the number of the song you want to save.

\* *Selectable song numbers range from 1—99. You won't, however, be able to select a song number that is already stored on the disk.*

5. To cancel the save process, press **FUNCTION** **EXIT** and confirm that the indicator has gone out.

6. To go ahead and save the song, press **E.PIANO** **SAVE** and confirm that the indicator is lit.

\* *Depending on the song's length, it can take anywhere from only a few seconds to up to 10-20 seconds to save it.*

\* *If an error message has appeared, refer to the Error Table on page 40, 41.*

## Using New Disks — Formatting

With the HP 3800G/2800G, you should use 3.5 inch 2HD disks. Although the unit will also allow you to use 2DD type 3.5 inch disks, their use will result in a reduction in access speed, which can cause problems when playing back data. You may also notice that it takes a little longer to select songs and move through the measures.

Every brand new disk must be formatted before you can use it with the HP 3800G/2800G.

*\* When using a previously used disk, be aware that you will lose everything stored on it when you format it!*



1. Slide the protect tab on the disk to the WRITE position (see p. 5), then insert it into the disk drive.
2. Press **FUNCTION** and confirm that the indicator has started flashing.
3. Press **STRINGS** and confirm that the indicator has started flashing.

"For" appears in the display, as shown below.

For.

4. Should you want to cancel the procedure, press **FUNCTION** (the button's indicator goes out.)
5. To proceed with the formatting, press **STRINGS** again and confirm that its indicator is lit.

Formatting begins. The display will show a count down.

80 → 0

When "0" appears in the display, the formatting is completed. You are returned to where you were previously.

*\* If an error has appeared, refer to the Error Table on page 40, 41.*

### 3. Other Convenient Functions

## Changing the Chorus Settings

Ten different levels are available for the depth of the chorus effect.

You will probably want to experiment until you obtain a level that is best for the song you are playing.



1. Press **FUNCTION** (the indicator begins flashing).
2. Press **CHORUS** and confirm that its indicator is lit.
3. Use **VARIATION** to alter the chorus level.

The current level is shown in the display. Listen to the result until you find the setting you like best.

4. Press **FUNCTION** (so the indicator goes out).

\* The level is set to "5" each time the power is turned on.

\* This setting for the effect level will be common to all tones.

## Changing the Reverb Settings

Ten different levels are available for the depth of the reverb effect.

You should try a variety of settings until you obtain a level that is best for the song you are playing.



1. Press **FUNCTION** (the indicator begins flashing).
2. Press **REVERB** and confirm that its indicator is lit.
3. Use **VARIATION** to alter the reverb level.

The current level is shown in the display. Listen to the result until you find the setting you like best.

4. Press **FUNCTION** (so the indicator goes out).

\* The level is set to "5" each time the power is turned on.

\* This setting for the effect level will be common to all tones.

## Changing the Metronome's Volume

Ten different levels are available for the volume of the metronome.



1. Press **FUNCTION/EXIT** (the indicator begins flashing).
2. Press **METRONOME** and confirm that its indicator is lit.
3. Use **VARIATION** to adjust the volume level.  
The current volume level is shown in the display.
4. Press **FUNCTION/EXIT** (so the indicator goes out).

\* The level is set to "5" each time the power is turned on.

\* The setting for the volume will remain in effect (you obtain that volume no matter how many times the metronome is turned on and off) as long as the power is on.

## Muting Individual Parts

While using the Piano Partner, the data for accompaniment can request sound generation for up to a maximum of 16 parts. This setting allows you to select one of these parts that you do not wish to have played (muted).



1. Press **FUNCTION/EXIT** and confirm that it has started flashing.
2. Press **ALL SONG PLAY** (so the indicator lights).
3. Use **VARIATION** to select the part you want to mute.  
Either OFF, or 1—16 is shown in the display. When set to OFF, none of the parts are muted.
4. Press **FUNCTION/EXIT** (so the indicator goes out).

\* Part mute is set to "OFF" each time the power is turned on.

## 4. About MIDI Connector and Computer Connector

The HP 3800G/2800G is equipped with MIDI and computer connectors which allow you to exchange musical information with external devices. Once you use these connectors to link up with other equipment, you can greatly expand your musical horizons.

### Connecting to MIDI Equipment

On the rear panel of the HP 3800G/2800G you will find a MIDI IN and a MIDI OUT connector. After using these connectors to link with other units, you will be able to pick a device that you wish to be in control, and use it to control the others. You can then not only get the other equipment to play, you can also cause it to switch through its sounds.

#### About the MIDI Connectors

There are three types of MIDI connectors. Each of them functions differently, as explained below.

##### MIDI OUT Connector

Transmits to an external unit's MIDI connector all the information originating on this unit (such as data describing what you are playing).

##### MIDI IN Connector

Receives the MIDI messages which arrive from an external MIDI device. Whenever a piece of equipment receives MIDI messages in this way, it will comply by playing specific notes, changing to a different sound, or otherwise do whatever it is that the messages request.

##### MIDI THRU Connector

Passes on (without change) the same stream of messages that have been flowing in at MIDI IN.

The HP 3800G/2800G is equipped with two of the above types of MIDI connectors (MIDI IN and MIDI OUT).

Look at the example below, then connect MIDI cables between the appropriate MIDI connectors when you want to have this instrument communicate with some other piece of equipment.



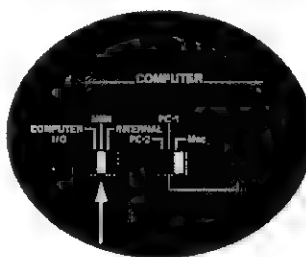
*\* It is not always necessary to connect two MIDI cables. You should alter the above configuration to match your intentions.*

#### Before Connecting with Other MIDI Devices

Before using your HP 3800G/2800G while connected with other MIDI devices, you need to make sure that it is set properly, as explained in the following. With the wrong settings, you might find that your equipment doesn't provide the expected response, or even that no sound at all is produced.

##### Setting the Computer Switch

When you wish to use MIDI to connect with an external device, you first need to set the COMPUTER switch on the rear panel to "MIDI" (the switch to the right of that can be at any position).



*\* Always make sure to turn OFF the power on your HP 3800G/2800G before you change the setting for the COMPUTER switch.*

*\* Whenever the COMPUTER switch on the rear panel is set to "MIDI," the display will show what appears below, and you will not be able to use the Piano Partner.*



In addition to these settings, you may also need to set the MIDI Transmit Channel or switch Local Control On/Off. Please see page 38.

## Connecting with a Computer

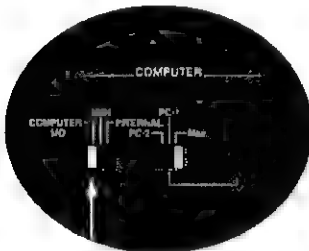
The HP 3800G/2800G is equipped with a COMPUTER connector. After connecting a cable between this connector and the serial port on your computer, you will be able to exchange performance information between them.

### Important Note About Connecting with a Computer

When connecting your HP 3800G/2800G with a computer, you need to make sure that it is set properly, as explained in the following. If you have it at the wrong settings, your equipment may not provide quite the expected response, or you might not hear any sound.

#### About Computer Cables/Baud Rate

You can connect your HP 3800G/2800G directly to a computer by connecting the appropriate cable between the COMPUTER connector on the HP 3800G/2800G and the serial port on your computer. Also, you need to set the COMPUTER switch on the rear panel to "COM-PUTER."



- \* Always make sure to turn OFF the power on your HP 3800G/2800G before you change the setting for the COMPUTER switch.
- \* Whenever the COMPUTER switch on the rear panel is set to "COMPUTER," the display will show what appears below, and you will not be able to use the Piano Partner contained inside the HP 3800G/2800G.



Additionally, you will need to select one of the settings explained next so that the baud rate is matched with the computer and software you are using (the baud rate is the speed at which the computer and the HP 3800G/2800G will exchange data).

### Examples:

#### Connecting with a Computer in the Apple Macintosh Family

Connect the cable (RSC-15APL; optionally available) between the modem (or printer) port on the Apple Macintosh and the COMPUTER connector on the HP 3800G/2800G. Also, set the COMPUTER switch at the right to the "MAC" position.

Additionally, you should use the "Patch Bay" utility on your Macintosh to set the Interface Type to "1 MHz" (the clock speed of the MIDI interface).

#### Connecting with an IBM PC

Connect the cable (RSC-15AT; optionally available) between a serial port (COM 1 or COM 2) on the IBM PC and the COMPUTER connector on the HP 3800G/2800G. Also, set the COMPUTER switch at the right to the "PC-2" position.

In addition to these settings, you may also need to set the MIDI Transmit Channel or switch Local Control On/Off. Please see page 38.

### Settings for the MIDI Channel and Local On/Off

You will not be able to use one device to play another, or be able to change the sounds the other unit uses simply by connecting MIDI cables between them, unless you also make sure that their respective MIDI channel settings are appropriately matched.

Additionally, the HP 3800G/2800G also provides a "Local" setting, which if switched to "Off," will set it so only MIDI data that arrives at its MIDI IN will cause it to sound. The keyboard itself will produce no sound in this case. (In either case, though, performance data will be sent out from MIDI OUT.)

When the external MIDI device is a synthesizer or sound module, You will need to set Local Control to "On" if you want to hear the HP 3800G/2800G.

\* For further information about *Soft Thru*, refer to the manual which came with your sequencer.

To set the MIDI channel or switch "Local" on and off, perform the steps below:



1. Press **FUNCTION/EXIT** and confirm that its indicator has started flashing.

2. Press **PLAY**. (The button's indicator will light.)

If you want to cancel at this point, press **FUNCTION/EXIT**, so the indicator goes out.

3. Use **VARIATION** to set the Transmit Channel.

The display will show you the current setting. The available settings include: **01** through **16** (Channels 1—16 at Local ON); and **001** through **016** (Channels 1—16 at Local OFF).

4. Press **FUNCTION/EXIT** and confirm that its indicator has gone out.

\* Each time the instrument is powered up, it is automatically set for a transmit channel of "1" and to "Local ON."

\* The unit will accept all data that arrives from an external MIDI device, regardless of the channel it is on.



# SPECIFICATIONS

HP 3800G/2800G: Roland Digital Piano

## <Keyboard>

88 keys (weighted-counterlever mechanism)

## <Sound Source>

compatible with General MIDI System Level 1 / compatible with GS Format

Maximum Polyphony: 28 voices

Number of Parts: 16 (accompaniment) +2 (keyboard)

Number of Tones

Panel Selection: 5 groups, 85 tones

Selection by MIDI: 226

Number of Drum Sets (include a SFX set)

Panel Selection: 2

Selection by MIDI: 9

Effects

Reverb

Chorus

## <Sequencer>

Capacity Internal: 1 Song approximately 21,000 sounds

Disk (3.5inch 2HD/1.44MB):

99 Songs approximately 240,000 sounds

Track number: 5

Resolution: 120 ticks/quarter note

Tempo: Quarter note = 20 — 250 beats per minutes

## <Feature>

### • Basic Section

Selecting Sounds (Dual play is possible)

Basic Sounds: 5 sounds

Variation Sounds: 82 sounds

Key transpose by keyboard (-6 — +5 half-steps)

Effects

Chorus (ON, OFF)

Reverb (ON, OFF)

3 different key touch settings (light, medium, heavy)

### • Metronome and Piano Partner Section

Metronome (ON, OFF)

Time Signature: 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, 12/8

Tempo: 20 — 250

All Song Play (ON, OFF)

Song selection: 1 — 99

Reset, Stop, Play (playback), Rec (record),

Backward (rewind), Forward (fast forward),

Start playing with the Lead-in, Marking.

Track selection (rhythm, 1, 2, 3, 4),

Playback balance volume

### • Other Functions

Key transpose (-6 — +5 half-steps)

Playback transpose (-6 — +5 half-steps)

Master tuning: 415.3Hz — 466.2Hz

Pedal mode (sostenuto, play/stop)

Save (writing to disk)

Format

Chorus (10 level settings)

Reverb (10 level settings)

Metronome volume (10 level settings)

Muting part: OFF, 1—16

Input selection: MIDI, INT, COMPUTER

Computer Selection: MAC, PC1, PC2

## <Display>

7 segment LED x 3, Mode LED x 6

## <Connectors>

Headphone Jack (Stereo)

Output Jacks x 2 (Mono/Stereo)

MIDI Connectors (In, Out)

Pedal Connector (8 pin DIN)

Computer Connector

## <Playback System>

Speakers: 20cm x 2

Rated Power Output: 40W x 2 (HP 3800G)

30W x 2 (HP 2800G)

## <Cabinet Finish>

HP 3800G: Dark walnut

HP 2800G: Rosewood

## <Power Consumption>

110W (AC117V), 90W (AC230V), 90W (AC240V)

## <Dimensions (Total)>

HP 3800G: 1460 (W) x 559 (D) x 890 (H) mm

57-1/2 (W) x 22 (D) x 35 (H) inches

HP 2800G: 1444 (W) x 500 (D) x 839 (H) mm

56-7/8 (W) x 19-11/16 (D) x 33 (H) inches

## <Weight (Total)>

HP 3800G: 77.2kg/170 lbs 3 oz

HP 2800G: 62.0kg/136 lbs 11 oz

## <Accessories>

Owner's Manual

Demo Song Chart

Power Cord

Music Rest

*\* The specifications for this product are subject to change without prior notice.*

# Error Chart

**E00**

**Meaning:** Due to copyright protection, you cannot save to a disk different than the original one.  
**You should:** Save it on the same disk.

**E01**

**Meaning:** Music data of this type cannot be saved onto disk.  
**You should:** Use Roland ISM Music Data, or Roland SMF Music Data.

**E02**

**Meaning:** The disk protect tab is set to "Write Protect."  
**You should:** Move the tab to the "Write" position. (See page 7 in the manual.)

**E03**

**Meaning:** You cannot format or save something onto a master disk.  
**You should:** Save onto a disk that has been newly formatted on this unit. (Refer to p. 33.)

**E10**

**Meaning:** No disk is inserted in the disk drive.  
**You should:** Insert a disk in the disk drive.

**E11**

**Meaning:** It cannot be saved because there is not enough storage space remaining on the disk.  
**You should:** Use another disk that has been formatted on this unit.

**E12**

**Meaning:** Because the disk is not formatted, you cannot save onto it.  
**You should:** Use a disk that has been formatted on this unit. (See p. 33.)

**E13**

**Meaning:** The disk was taken out of the drive while saving or formatting was in progress.  
**You should:** Do the procedure over again. However, after the save or format is initiated, do not take out the disk until after you see the message indicating the process has been completed.

**E14**

**Meaning:** A corrupt sector was discovered on the disk's surface.  
**You should:** Have ready a different disk that was formatted on this unit.

**E20**

**Meaning:** Disks of this type cannot be read.  
**You should:** Use Roland ISM Music Data, Roland SMF Music Data, or a PIANO DISK.

**E21**

**Meaning:** Music data of this type cannot be read.  
**You should:** Use Roland ISM Music Data, Roland SMF Music Data, or a PIANO DISK.

**E22**

**Meaning:** The disk was taken out while a read was in progress.  
**You should:** Reinsert the disk and do the procedure over again from the beginning. Never take out a disk while the unit is in the midst of playback or is in recording standby. And at all other times as well, you must always wait until the drive's indicator goes out before removing the disk.

**E23**

**Meaning:** A damaged sector was discovered on the disk.  
**You should:** This music data can no longer be used.

**E24**

**Meaning:** The speed at which the disk can be read is not quite fast enough for proper song playback.  
**You should:** First of all, press the STOP button. Then, press the RESET button, and after that once again press the PLAY button.

**E30**

**Meaning:** Because the size of the music data is large, only playback can be carried out.  
**You should:** With music data like this, you cannot use the recording, rewind, fast forward, and data saving features of this unit. Such songs should be treated as being for listening only. Enjoy them using the "All Song Play" feature. (Page 25 in the manual.)

**E31**

**Meaning:** Because the size of the music data is large, recording cannot be performed.  
**You should:** This music data should be treated as being for listening only. It can be enjoyed using the "All Song Play" feature. (Page 25 in the manual.)

**E32**

**Meaning:** Recording was canceled.  
**You should:** No further recording can be carried out since an excessively large number of performance messages were generated.

**E40**

**Meaning:** Because a lot of MIDI data was sent at once, the HP3800G/2800G could not properly process it.  
**You should:** Press the STOP button to get the error message to go away.

**E41**

**Meaning:** A problem occurred — possibly a MIDI cable or a computer cable was pulled out.  
**You should:** Press the STOP button to get the error message to go away.

**E42**

**Meaning:** Because an excessive number of performance messages were sent at one time, recording could not be carried out.  
**You should:** Press the STOP button to get the error message to go away.

**E50**

**Meaning:** The Piano Partner could not be used since the unit was in the MIDI or COMPUTER I/O input mode.  
**You should:** Refer to pages 36—38.

*\* After any of these error messages have appeared, the unit will immediately return to normal operation. The message will continue being displayed, though, until you press one of the panel's buttons (it doesn't matter which one). The error message will then go away.*

Function.		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1 1 — 16	1 — 16 1 — 16	
Mode	Default Messages Altered	Mode 3 OMNI OFF, POLY *****	Mode 3 Mode 3, 4 (M = 1)	* 2
Note Number :	True Voice	15 — 113 *****	0 — 127 0 — 127	
Velocity	Note ON Note OFF	O O 8n v = 1 — 127	O O	
After Touch	Key's Ch's	X X	O O	* 1 * 1
Pitch Bend		X	O	* 1
Control Change		0, 32 X 1 X 5 X 6, 38 X 7 X 10 X 11 X 64 O 65 X 66 O 67 O 84 X 91 X 93 X 98, 99 X 100, 101 X 120 X 120 X	O O O O O O O O O O O O O O O (Reverb) O (Chorus) O O O O	* 1 Bank Select * 1 Modulation * 1 Portamento time * 1 Data entry * 1 Volume * 1 Panpot * 1 Expression * 1 Hold 1 * 1 Portamento * 1 Sostenuto * 1 Soft * 1 Legato control * 1 Effect 1 depth * 1 Effect 3 depth * 1 NRPN LSB, MSB * 1 RPN LSB, MSB All sound off Reset all controllers
Prog Change	: True #	X *****	O 0 — 127	* 1 Program Number 1 — 128
System Exclusive		X	O	
System Common	: Song Pos : Song Sel : Tune	X X X	X X X	
System Real Time	: Clock : Commands	X X	X X	
Aux Message	: Local ON/OFF : All Notes OFF : Active Sense Reset	X X O X	O O (123 — 125) O X	
Notes		* 1 O X is selectable * 2 Recognize as M = 1 even if M ≠ 1		

Mode 1 . OMNI ON, POLY

Mode 2 : OMNI ON, MONO

O : Yes

Mode 3 . OMNI OFF, POLY

Mode 4 : OMNI OFF, MONO

X : No

For Germany

### Bescheinigung des Herstellers/Importeurs

Hiermit wird bescheinigt, daß der/die/das

**Roland Digital Piano HP 3800G / HP 2800G**

(Gerät, Typ, Bezeichnung)

in Übereinstimmung mit den Bestimmungen der BMPT-AmtsblVtg 243/1991 funk-entstört ist. Der vorschriftsmäßige Betrieb mancher Geräte (z. B. Meßsender) kann allerdings gewissen Einschränkungen unterliegen. Beachten Sie deshalb die Hinweise in der Bedienungsanleitung.

Dem Zentralamt für Zulassungen im Fernmeldewesen wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf die Einhaltung der Bestimmungen eingeräumt.

**Roland Corporation**

**4-16 Dojimahama 1-Chome Kita-ku Osaka 530 Japan**

(Name und Anschrift des Herstellers/Importeurs)

For the USA

### FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the users authority to operate this equipment  
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

#### CLASS B

#### NOTICE

This digital apparatus does not exceed the Class B limits for radio noise emissions set out in the Radio Interference Regulations of the Canadian Department of Communications.

#### CLASSE B

#### AVIS

Cet appareil numérique ne dépasse pas les limites de la classe B au niveau des émissions de bruits radioélectriques fixés dans le Règlement des signaux parasites par le ministère canadien des Communications.

## Information

When you need repair service, call your local Roland Service Station or the authorized Roland distributor in your country as shown below

### U. S. A.

**Roland Corporation US**  
7200 Dominion Circle  
Los Angeles, CA 90040  
3696, U.S.A.  
TEL: (213) 685-5141

### CANADA

**Roland Canada Music Ltd.**  
(Head Office)  
5480 Parkwood Way  
Kitchener, ON N6V 2M1  
CANADA  
TEL: (604) 270-6926

**Roland Canada Music Ltd.**  
(Montreal Office)  
4425 Transcanadienne  
Service Rd. N. St Laurent,  
Quebec H4S 1V3, CANADA  
TEL: (514) 335-2009

**Roland Canada Music Ltd.**  
(Toronto Office)  
346 Watline Avenue,  
Mississauga, Ontario L4Z 1A2, CANADA  
TEL: (416) 890-6488

### AUSTRALIA

**Roland Corporation Australia Pty. Ltd.**  
18 Campbell Avenue  
Dre Why West NSW 2099  
AUSTRALIA  
TEL: (02) 982-8266

### NEW ZEALAND

**Roland Corporation (NZ) Ltd.**  
97 Mt. Eden Road, Mt. Eden  
Auckland 3 NEW ZEALAND  
TEL: (09) 1098-715

### UNITED KINGDOM

**Roland (U.K.) Ltd.**  
Rye Close Ancells Business  
Park Fleet, Hampshire GU13  
8UY, UNITED KINGDOM  
TEL: 0252-816181

### Roland (U.K.) Ltd.,

**Swansea Office**  
Atlantic Close, Swansea  
Enterprise Park, Swansea,  
West Glamorgan SA79FL  
UNITED KINGDOM  
TEL: (0792) 700-139

### IRELAND

**The Dublin Service Centre Audio Maintenance Limited**  
11 Brunswick Place Dublin 2  
Republic of Ireland  
TEL: (01) 351 1677-322

### ITALY

**Roland Italy S.p.A.**  
Viale delle Industrie 8 20020  
ARESE MILANO ITALY  
TEL: 02 93581311

### SPAIN

**Roland Electronics de España, S. A.**  
Calle Bolivia 239 08020  
Barcelona, SPAIN  
TEL: 93 308 1000

### GERMANY

**Roland Elektronische Musikinstrumente Handelsgesellschaft mbH.**  
Oststrasse 9b, 22844  
Norderstedt, GERMANY  
TEL: 040/52 60 090

### FRANCE

**Guillard Musiques Roland**  
ZAC de Rosange 01700  
MIRIBEL FRANCE  
TEL: (7) 226 50 60

**Guillard Musiques Roland (Paris Office)**  
1923 rue Léon Geolfroy  
94400 VITRY-SUR-SEINE  
FRANCE  
TEL: (1) 4680 86 62

### BELGIUM/HOLLAND/LUXEMBOURG

**Roland Benelux N. V.**  
Houstraal 1 B-2260 Oevel-  
Westerlo BELGIUM  
TEL: (0032) 14-575811

### DENMARK

**Roland Scandinavia A/S**  
Langebrøge 6 Box 1937  
DK-1023 Copenhagen K  
DENMARK  
TEL: 31-95 31 11

### SWEDEN

**Roland Scandinavia A/S**  
Danvik Center 2B A, 2 H.  
S-131 30 Nacka SWEDEN  
TEL: 08-702 00 20

### NORWAY

**Roland Scandinavia Avd. Kontor Norge**  
Lilleakerveien 2 Postboks 95  
Lilleaker N-0216 Oslo 2  
NORWAY  
TEL: 22-73 00 74

### FINLAND

**Fazer Musik Inc.**  
Länsiläntie POB 169,  
SF-02101 Espoo FINLAND  
TEL: 0-43 50 11

### SWITZERLAND

**Roland CK (Switzerland) AG**  
Gerberstrasse 5, CH 4410  
Liestal, SWITZERLAND  
TEL: 061/921 16 15

### AUSTRIA

**E. Dematte & Co.**  
Neu-Rum Siemens-Strasse 4  
A-6040 Innsbruck P.O. Box  
83  
AUSTRIA  
TEL: (0512) 26 44 260

### GREECE

**V. Dimitriadis & Co. Ltd.**  
20, Alexandras Avn., GR  
10682 Athens, GREECE  
TEL: 01-8232415

### PORTUGAL

**Casa Caius Instrumentos Musicais Lda.**  
Rua de Santa Catarina 133  
4000 Porto, PORTUGAL  
TEL: 02 38 44 56

### HUNGARY

**Intermusica Ltd.**  
Warehouse Area 'DEPO'  
Törökbalint, Budapest  
HUNGARY  
TEL: (1) 1868905

### ISRAEL

**D.J.A. International Ltd.**  
11 Bar Gijora St., Tel Aviv  
ISRAEL  
TEL: 972-3-525-3834

### CYPRUS

**Radex Sound Equipment Ltd.**  
17 Diagonou St., P.O. Box  
2046, Nicosia CYPRUS  
TEL: 453426, 466421

### U.A.E

**Zak Electronics & Musical Instruments Co.**  
P.O. Box 8050  
DUBAI, U.A.E  
TEL: 695774

### SAUDI ARABIA

**Omar Badoghaish Trading Corp.**  
P.O. Box 5980  
Jeddah, SAUDI ARABIA  
TEL: 966-02-6607038

### KUWAIT

**Easa Husain Al-Yousifi**  
P.O. Box 126 Safat 13002  
KUWAIT  
TEL: 965-5719499

### LEBANON

**A. Chahine & Fils**  
P.O. Box 16-5857  
Beirut, LEBANON  
TEL: 335799

### TURKEY

**Barkat Sanayi ve Ticaret**  
Siraselviler Cad. 86/6 Taksim  
Istanbul, TURKEY  
TEL: 212-2499324

### EGYPT

**Al Fanny Trading Office**  
9, Ebn Hagar At Askalany  
Street, Ard El Golf,  
Heliopolis, Cairo, 11341  
EGYPT  
TEL: 2917803-665918

### QATAR

**Badie Studio & Stores**  
P.O. Box 62,  
DOHA Qatar  
TEL: 974 423554

### BAHRAIN

**Moon Stores**  
Bad Al Bahrain Road,  
P.O. Box 20077  
State of Bahrain  
TEL: (0973) 211 005

### BRAZIL

**Roland Brasil Ltda.**  
R. Alvarenga 591 CEP-05509  
Sao Paulo BRAZIL  
TEL: (011) 210-7266

### MEXICO

**Casa Veerkamp, s.a. de c.v.**  
Mesones No. 21 Col. Centro  
MEXICO D.F. 06080  
TEL: (5) 709-3716

**La Casa Wagner de Guadalajara s.a. de c.v.**  
Av. Corona No. 202 S.J.  
C.P. 44100 Guadalajara,  
Jalisco MEXICO  
TEL: (36) 13-1414

### VENEZUELA

**Musicland Digital C.A.**  
Av. Francisco De Miranda,  
Centro Parque Cristal, Nivel  
C2 Local 20 Caracas  
VENEZUELA  
TEL: (2) 2844497

### PANAMA

**Productos Superiores, S.A.**  
Apartado 655 - Panama 1  
R.F.P. DE PANAMA  
TEL: 26-3322

### ARGENTINA

**Instrumentos Musicales S.A.**  
Florida 638  
(1005) Buenos Aires  
ARGENTINA  
TEL: (1) 394 4029

### HONG KONG

**Tom Lee Music Co., Ltd. Service Division**  
22-32 Pun Shan Street, Tsuen  
Wan, New Territories,  
HONG KONG  
TEL: 415-0911

### KOREA

**Cosmos Corporation Service Station**  
261 2nd Floor Nak-Won  
Arcade Jong-Ro ku, Seoul,  
KOREA  
TEL: (02) 742 8844

### SINGAPORE

**Swee Lee Company**  
BLOCK 231,  
Bain Street #03-23  
Bras Basah Complex,  
Singapore 0718  
TEL: 3367886

### PHILIPPINES

**G.A. Yungco & Co. Inc.**  
339 Gil I. Puyat Avenue  
Makati, Metro Manila 1200  
PHILIPPINES  
TEL: 02 (817) 0013

### THAILAND

**Theera Music Co., Ltd.**  
330 Veeng Nakorn Kasem,  
Soi 2, Bangkok 10100  
THAILAND  
TEL: 2248821

### MALAYSIA

**Bentley Music SDN BHD**  
No.142, Jalan Bukit Bintang  
55100 Kuala Lumpur,  
MALAYSIA  
TEL: (03) 2443133

### INDONESIA

**PT Citrarama Relantika**  
Jl. Alaydrus 84 B  
Jakarta 10130  
INDONESIA  
TEL: (021) 3802638,  
3802639

### TAIWAN

**Siruba Enterprise (Taiwan) Co., LTD.**  
Room. 5, 9th. No. 112 Chung,  
Shan N. Road Sec.2 Taipei,  
TAIWAN, R.O.C  
TEL: (02) 571-5860

### SOUTH AFRICA

**That Other Music Shop (PTY) Ltd.**  
11 Melle Street (Cnr Melle  
and Jula Street)  
Braamfontein 2001  
Republic of South Africa  
TEL: 27 11 403-4105

### Paul Bothner (PTY) Ltd.

17 Werdmuller Centre  
Claremont 7700  
Republic of South Africa  
TEL: 021-64-4030

As of Dec. 2, 1993

Please note that relevant laws prohibit the recording of the demonstration songs on tape as well as their use for public performance or broadcast (and all other usage which would extend beyond private, personal enjoyment) without the permission of the holder of the rights to such material.

Song for the two pianos

); A Little Schnapps und Schnitzel





# Tone Chart

## Tone Group: Piano

V. No	Tone Name	Comment
1	Piano 1	Grand piano
2	Piano 2	Bright piano for pops
3	Honky-tonk	Honky-tonk piano
4S	Bass/Piano 1	Acoustic bass and piano are layered
5S	Bass/Piano 2	Freelass bass and piano are layered

## Tone Group: Harpsichord

V. No	Tone Name	Comment
1	Harpsichord 1	
2	Harpsichord 2	Brilliant harpsichord
3	Clav.	

## Tone Group: Vibraphone

V. No	Tone Name	Comment
1	Vibraphone	
2	Celesta	
3	Marimba	
4	Tubular Bell	
5	Bass/Vibraphone	Acoustic bass and vibraphone are layered
6	Pizzicato/Celesta	Pizzicato strings and vibraphone are layered

## Tone Group: Electric Piano

V. No	Tone Name	Comment
1*	Electric Piano 1	Electric piano (created using the Roland SA process)
2	Electric Piano 2	Rhodes electric piano sound
3	Synth Piano	Synthesizer piano
4S	Bass/Electric Piano 1	Acoustic bass and electric piano 1 layered
5S	Bass/Electric Piano 2	Electric bass and electric piano 1 layered
6S	Bass/Electric Piano 3	Freelass bass and electric piano 1 layered
7S	Bass/Synth Piano 1	Acoustic bass and synth piano layered
8S	Bass/Synth Piano 2	Electric bass and synth piano layered
9S	Bass/Synth Piano 3	Freelass bass and synth piano layered

## Tone Group: Strings

V. No	Tone Name	Comment
1*	Strings Section 1	Strings section
2	Strings Section 2	Mellow strings section
3	Synth Strings	Synthesizer strings section
4	Electric Organ 1	Electric organ for jazz
5	Electric Organ 2	Electric organ for jazz
6	Church Organ	Pipe Organ
7	Accordion	
8	Harmonica	
9	Acoustic Guitar 1	Nylon-string acoustic guitar sound
10	Acoustic Guitar 2	Steel-string acoustic guitar sound
11	Electric Guitar 1	Electric guitar for jazz
12	Electric Guitar 2	Electric guitar played with a muted technique
13	Electric Guitar 3	Electric guitar for rock
14	Acoustic Bass	Acoustic (wood) bass
15	Electric Bass 1	Bright electric bass
16	Electric Bass 2	Electric freilass bass

V. No	Tone Name	Comment
17	Electric Bass 3	Slap bass
18	Synth Bass	Synthesizer bass
19	Violin	Contrabass, Cello, Violin
20	Pizzicato Strings	The sound of a violin's strings being plucked by hand
21	Harp	
22	Choir Aahs	Vocal sound ideal for simulating a church choir
23	Voices Oohs	Vocal "ooh" sound
24	SynVox	Synthesizer simulation of human voice
25	Trumpet 1	
26	Trumpet 2	Trumpet played with a mute
27	French Horn	
28	Brass Section	
29	Synth Brass	Synthesizer brass section
30	Sax	
31	Oboe	
32	Bassoon	
33	Clarinet	
34	Flute	
35	Pan Flute	
36	Shakuhachi	Japanese bamboo flute
37	Whistle	
38	Corrino	
39	Square Wave	Synthesized woodwind-like sound
40	Calliope	Synthesized breath sound
41	Fantasia	Beautiful sound with a bell attack
42	Metal Pad	Bright and spacious sound
43	Sweep Pad	Wavy and dreamy sound
44	Soundtrack	Sci-fi type sound effects
45	Crystal	Sound of a crystal tube being struck
46	Atmosphere	Sound effect like strings being struck
47	Brightness	Sustained and echoed sound
48	Sitar	
49	Banjo	
50	Shamisen	
51	Koto	
52	Tinkle Bell	
53	Steel Drums	
54S	Bass/Guitar 1	Bass and acoustic guitar are layered
55S	Bass/Guitar 2	Bass and jazz guitar are layered
56S	Harp/Choir	Harp and choir are layered
57S	Bass/Trumpet	Bass and trumpet are layered
58S	Bass/Sax	Bass and sax are layered
59S	Piano/Flute	Piano and flute are layered
60S	Guitar/Flute	Acoustic guitar and flute are layered
61S	Bass/Flute	Bass and flute are layered
62S	Harp/Flute	Harp and flute are layered
63R	Drum Set	Drum set and latin percussion
64R	SFX Set	Set of the various percussion

### V. No : Variation Number

Sounds marked with an "S" produce two different sounds, one for the lower range and another within the upper range of the keyboard.

Sounds marked with an "R" are collections of percussive sounds. A different sound is assigned to each key.

Sounds marked with either a "+" or an "S" do not comply with the GS Format, since they are newer sounds unique to this instrument. Remember that these sounds should not be used when making recordings on disk, if you afterwards hope to have all of your music be reproduced faithfully on GS Format devices other than this instrument.





**Roland®**

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**11256**

UPC

11256



10901

**Roland®**